



**STATE OF NEVADA**  
**Department of Administration**  
**Division of Human Resource Management**

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**CLASS SPECIFICATION**

<u>TITLE</u>	<u>GRADE</u>	<u>EEO-4</u>	<u>CODE</u>
<b>SAFETY SPECIALIST, MINE SAFETY AND HEALTH</b>	<b>35</b>	<b>B</b>	<b>11.539</b>

Safety Specialists promote recognized safety practices among businesses covered by State and federal safety and health laws and regulations. Incumbents identify or train others to identify safety and health hazards and violations, and recommend reasonable and feasible means of abatement; research specific technology and industry applications using technical references and applicable codes and standards; prepare written reports and/or training materials; make public presentations to promote knowledge of safety issues among the public and industry groups; and maintain current knowledge of new technologies, standards, codes, rules and regulations.

Conduct safety and health inspections pursuant to NRS 512.170, including metal and non-metal surface (open pit) and underground mines, mills, quarries and related facilities, and in such areas including, but not limited to, ground control, fire prevention and control, air quality, ventilation, explosives (storage, transportation, use, blasting, and related equipment), electrical safety, equipment guards, personal protection, materials storage and handling, safety programs, and personnel hoisting; conduct industrial hygiene surveys, air quality evaluations, noise dosimetry, ventilation surveys, hazardous materials handling, storage and transportation compliance, and material safety data sheet compliance.

Provide technical assistance and consultation to mine operators in their efforts to comply with State and federal mine safety regulations and to promote and improve mine health and safety conditions in all areas of mine operations to include surface, underground, milling, beneficiation, smelting and refining.

Measure noise, dusts, metal, and toxic materials using routine industrial hygiene sampling procedures; conduct electrical ground resistivity tests to evaluate electrical safety and conduct mine ventilation surveys when internal combustion engines are in use underground; conduct opening and closing conferences with mine operators and employee representatives; write reports substantiating findings; maintain specialized equipment used in conducting inspections.

Issue notices of violation requiring abatement within a specified time period and if imminent danger is present, issue an order prohibiting persons from entering an area, or prohibiting the use of equipment and machinery until the imminent danger has been corrected.

Develop and provide federally required formal training to mine operators and workers in the recognition, avoidance, and prevention of accidents or unsafe/unhealthful working conditions in mines which include new miner, refresher, first aid, mine rescue for surface and underground responders, and instruct-the-instructor.

Investigate mine accidents pursuant to statute and regulation; inspect disaster potential such as mine fires, explosions, inundations by water or gas, entrapments, falls of ground, and accidents involving machinery and haulage equipment; physically inspect site and equipment involved, interview witnesses, determine cause and contributing factors to extent possible, prepare a report of findings, and recommend procedures to prevent recurrence; issue notices of violation and closure orders as appropriate; testify at federal penalty hearings and civil court proceedings regarding conditions at mine sites and accidents.

Perform related duties as assigned.

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## MINIMUM QUALIFICATIONS

### **SPECIAL REQUIREMENT:**

\* A valid driver's license is required at the time of appointment and as a condition of continuing employment.

**EDUCATION AND EXPERIENCE:** Five years of technical, operational, or management experience in mines, mills, beneficiation plants, or smelters, one year of which must have been spent working underground. (*See Special Requirement*)

**ENTRY LEVEL KNOWLEDGE, SKILLS, AND ABILITIES** (required at time of application):

**Working knowledge of:** metal and non-metal surface and underground mining processes, equipment, machinery, and the associated workplace safety issues; State health and safety standards and regulations. **Ability to:** consult with mine operators, workers and representatives to promote optimally safe mining practices; physically conduct mine inspections which involve extended periods of walking over uneven, steep, or sloping terrain, and climbing ladders, stairways, and escape ways; establish and maintain effective working relationships with the regulated industry; communicate effectively orally and in writing; make oral presentations; write accurate, logical, and grammatically correct technical reports; work underground in confined spaces and wet, dusty, and poorly illuminated environments.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, AND ABILITIES** (typically acquired on the job):

**Working knowledge of:** the provisions of NRS 512; industrial hygiene survey techniques as related to mining operations; principles of accident investigation; hearing and court procedures; State inspection procedures; applicable federal health and safety standards. **Ability to:** prepare and present formal training courses; use velometers, barometers, mine safety lamps, multiple gas detectors, dust samplers, mercury vapor monitors, sling psychometers, galvanometers, electrical earth ground testers, anemometers, sound level meters, fit test respirators, Brunton compasses, Drager universal testers, self-contained breathing apparatus, first aid resuscitation equipment, basic hand tools, and audiovisual equipment.

This class specification is used for classification, recruitment, and examination purposes. It is not to be considered a substitute for work performance standards for positions assigned to this series.

11.539

ESTABLISHED: 12/10/10PC